5/8-PORT FAST ETHERNET OFFICE SWITCH

USER MANUAL

MODEL 523646/523653

INTELLINET
NETWORK SOLUTIONS

INT-523646/523653-UM-0107-03

Thank you for purchasing the INTELLINET NETWORK SOLUTIONS™ Fast Ethernet Office Switch, Model 523646 (5-port) or Model 523653 (8-port).

Use this manual for reference when setting up and operating this switch, and enjoy the benefits of high-speed dynamic memory, which supports the packet store-and-forward architecture; IEEE802.3x back-pressure flow control, which manages the data flow between sending and receiving nodes to prevent packet loss; and these additional popular features:

- 10/100 auto-sensing ports automatically detect optimal network speeds
- Supports any combination of 10 Mbps or 100 Mbps network devices
- All RJ-45 ports with Auto-MDIX and NWay auto-negotiation support
- Compact case makes positioning easy
- 10/100 Mbps and half/full duplex
- NWay Auto-Negotiation
- Non-blocking design
- Supports Broadcast Storm control
- LEDs for power, link/activity
- Supports 1024 MAC address entries
- 128 kBytes buffer memory (5-port); 256 kBytes buffer memory (8-port)
- Lifetime Warranty

FRONT PANEL

The front-panel LED indicators — POWER, LINK/ACT — allow for more convenient monitoring and troubleshooting of the switch. The table below shows each LED function.

System LED	Status	Operation
POWER	Steady green Off	Power on Check AC connection; turn on power switch
LINK/ACT	Steady green Blinking green	Valid port connection Valid port connection; data being transmitted/received

REAR PANEL

Power receptacle: Plug the female end of the power cord firmly into the receptacle and the other end into an electrical outlet. Confirm that the power LED is lit for a normal power status. *NOTE:* To ensure proper operation, use only the power cord included with the switch.

Ports: All the ports on the Fast Ethernet Office Switch support Auto-MDI/MDI-X functionality, so crossover cables and uplink ports are not needed for connections to PCs, routers, hubs, additional switches or other devices. Cat5/5e UTP/STP cables provide optimal performance; if a front-panel LED corresponding to any of the ports in use doesn't indicate a link or activity, check the connected device for proper setup and operation.

INSTALLATION

1. Attach the included rubber feet to the bottom of the device to keep it from slipping. The recommended positions are marked.
2. Place the device on a level surface that can support the weight of the switch (and any other items that need to be considered).

Prior to use, it is recommended that the device be placed/positioned:

- with a minimum of 25 mm of clearance on the top and sides for adequate ventilation
- away from sources of electrical noise, such as radios, transmitters and broadband amplifiers
- where it cannot be affected by excessive moisture

SPECIFICATIONS

Standards

- IEEE 802.3 (10Base-T Ethernet)
- IEEE 802.3u (100Base-TX Fast Ethernet)
- IEEE 802.3x (flow control, full duplex mode)

General

- Media support:
  - 10Base-T Cat3, 4, 5 UTP/STP RJ-45
  - 100Base-TX Cat5 UTP/STP RJ-45
- Ports:
  - 5-port version: 5 RJ-45 10/100 Mbps ports
  - 8-port version: 8 RJ-45 10/100 Mbps ports
- Packet filter/forwarding rate:
  - 148,800 pps (100 Mbps)
  - 14,880 pps (10 Mbps)
- Switch architecture: store and forward
- Buffer memory: 128 kBytes (5-port); 256 kBytes (8-port);
- MAC address table: 1024 entries
- Certifications: FCC Class B, CE Mark

LEDs

- POWER
- LINK/ACT

Power

- External power adapter, 9 V AC
- Power consumption: 2.5 Watts (maximum)

Environmental

- Plastic housing
- Dimensions, 5-port: 105 (L) x 77 (W) x 30 (H) mm (4.1 x 3 x 1.2 in.)
- Dimensions, 8-port: 127 (L) x 84 (W) x 30 (H) mm (5 x 3.3 x 1.2 in.)
- Weight: 500 g (1.1 lbs.)
- Operating temperature: 0° to 40°C (32° to 104°F)
- Operating humidity: 10% to 90% RH, non-condensing
- Storage temperature: -40° to 70°C (-40° to 158°F)

Package Contents

- Fast Ethernet Office Switch
- External power adapter
- User manual

NOTES

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